

Date: Sun, 15 May 94 04:30:17 PDT  
From: Ham-Digital Mailing List and Newsgroup <ham-digital@ucsd.edu>  
Errors-To: Ham-Digital-Errors@UCSD.Edu  
Reply-To: Ham-Digital@UCSD.Edu  
Precedence: Bulk  
Subject: Ham-Digital Digest V94 #148  
To: Ham-Digital

Ham-Digital Digest                    Sun, 15 May 94                    Volume 94 : Issue 148

Today's Topics:

(none)

9600 Baud and Mitrek radio...

Anybody use Mathcad?

A question

Help: Routing with X1J (2 msgs)

HF DSP modems for the TI DSK

I am doing a list of TCP/IP packet radio software package

JV-Fax and Soundblaster Cards

Missed the beginning of the DSK thread

PACTOR vrs G-TOR?

PK-232MBX vs. MFJ-1278B

Software for KAM Plus?

TEKK Radios query

WA6RDH LLBBS Number

Send Replies or notes for publication to: <Ham-Digital@UCSD.Edu>

Send subscription requests to: <Ham-Digital-REQUEST@UCSD.Edu>

Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Digital Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-digital".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: 14 May 94 16:15:00 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: (none)  
To: ham-digital@ucsd.edu

To: tcp-group  
From: plazaip@enlaces.ufro.cl (Desarrollo de Plaza Windows)  
Subject: I am doing a list of TCP/IP packet radio software package  
Cc: ham-digital

Hi: I am doing a list of TCP/IP packet radio software package. For that, I would like you tell that TCP/IP software for packet radio do you know. Also I would like to do a catalog of different version of NET (KA9Q Phil Karn). If you can help me, please send me a note.

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Jorge Diaz V. email:plazaip@enlaces.ufro.cl  
Eduardo Millar C.  
"La Plaza Windows Developers"  
Proyecto Enlaces  
Universidad de la Frontera  
Temuco - Chile

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Date: 14 May 1994 16:18:41 GMT  
From: nothing.ucsd.edu!brian@network.ucsd.edu  
Subject: 9600 Baud and Mitrek radio...  
To: ham-digital@ucsd.edu

The receive audio is available unfiltered but buffered on pin 11 of the front panel control connector.

The Mitrek \*IS\* a varactor-modulated radio. Just cut the lead feeding audio into the channel element (lift R505, as I recall), and shove the output of the modem into there.

You can feed the TX audio into the unused pin 18 (the blank fat one) for a seamless installation. I have about a dozen of these in service in precisely this way.

- Brian

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Date: 15 May 94 06:40:29 GMT  
From: nntp.crl.com!crl.crl.com!not-for-mail@decwrl.dec.com  
Subject: Anybody use Mathcad?  
To: ham-digital@ucsd.edu

Henry B. Smith (hbs@crl.com) wrote:  
: Does anybody use the Mathcad math package? I know that Mathsoft  
[some deletion]  
: Smitty, NA5K

: --

: Henry Smith (hbs@crl.com)

No, it is a little too expensive. But I do use a v.nice program called Xplore, that is shareware written by a member of the San Francisco State University faculty. V.fast, all the higher math functions, large number handling.

BTW, rec.radio.amateur.digital.misc? Oh, 'digital' like 'digits=fingers' right? ;)

--

James Schumann <KE6DMY>  
schumann@crl.com

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Date: 14 May 94 18:25:00 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: A question  
To: ham-digital@ucsd.edu

Hello: Does anyone could give any information about the next software:

Apple Macintosh:

- Macket
- MacPacket
- MacRATT
- MacTTY
- MFJ-1287

IBM PC:

- |                          |                         |
|--------------------------|-------------------------|
| - Aries-1                | Packet Terminal Program |
| - arp TRM2               | PAC PRO                 |
| - CompRtty               | Pacterm                 |
| - DIGIPAC I / DIGIPAC II | Pak-Comm                |
| - Ham-Com                | PC-Packet               |
| - Hamcom                 | PC-Pakratt              |
| - Ham-Pak                | PK232Com                |
| - Kanterm-PC             | RTP                     |
| - Lan-Link               | WB8COX                  |
| - MFJ-1284               | WD6FPY                  |
| - YAPP                   |                         |

If you know one or more of these software, please give me a reference..

Eduardo Millar C.  
email:plazaip@enlaces.ufro.cl

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Date: 13 May 1994 16:43:27 GMT  
From: dog.ee.lbl.gov!agate!howland.reston.ans.net!europa.eng.gtefsd.com!  
newsxfer.itd.umich.edu!nntp.cs.ubc.ca!unixg.ubc.ca!quartz.ucs.ualberta.ca!  
tribune.usask.ca!herald.@@ihnp4.ucsd.edu  
Subject: Help: Routing with X1J  
To: ham-digital@ucsd.edu

The problem is quite simple. We can't get our local X1J node to respond to a 'ping'. If I ping the next node down the line then the local node takes it and sends it on, the remote one generates an echo reply back to the local node which then does nothing.

So the routing is mixed up somehow.

The local node address is 44.135.128.6 and there's a route entry for  
44.135.128.0/24 Port 0 (AX.25)

Any 44.135.128.0/24 address is one that is local to the node (e.g. mine is  
44.135.128.1). If the local node sees an ARP request for its address then it does  
respond to that. But anything else that it ought to send gets lost somewhere.

What routing/arp entries are required to make the node spit out packets that  
are for local users?

Pete  
ve5va.qrp@usask.ca

--  
ve5va.qrp@usask.ca

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Date: 14 May 94 22:57:21 GMT  
From: dog.ee.lbl.gov!agate!netsys!tyrell.net!randyr@ucbvax.berkeley.edu  
Subject: Help: Routing with X1J  
To: ham-digital@ucsd.edu

In article <2r0anf\$okh@tribune.usask.ca>, Peter Hardie wrote:

>  
> The problem is quite simple. We can't get our local X1J node to respond to  
> a 'ping'.

X1J will not respond to pings at all.

> If I ping the next node down the line then the local node takes it  
> and sends it on, the remote one generates an echo reply back to the local  
> node which then does nothing.

> So the routing is mixed up somehow.  
> The local node address is 44.135.128.6 and there's a route entry for  
> 44.135.128.0/24 Port 0 (AX.25)  
> Any 44.135.128.0/24 address is one that is local to the node (e.g. mine is  
> 44.135.128.1). If the local node sees an ARP request for its address then it  
does  
> respond to that. But anything else that it ought to send gets lost somewhere.  
>  
> What routing/arp entries are required to make the node spit out packets that  
> are for local users?

Not sure I really understand your question Pete. I was having some trouble myself with some X1J stuff late last year. Turned out to be total cockpit error.

A few you may want to add to your list is:  
0.0.0.0/1 (to wherever your IP gate is)  
128.0.0.0/1 (again, to wherever your IP gate is)

Keep in mind that the X1J is not a full implementation of NOS. It won't ask for ARPs, nor can you ping it. There is just not enough room in the ram for all the code.

If you are wanting something a bit more NOSish, try a Gracilis PacTen. We have one on our network and it is truly an amazing device.

Randy

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Randy Rathbun | randyr@tyrell.net  
NVOU@N00EV.#NWMO.MO.USA.NA  
Send email for PGP public key

| I never had a pet. I figure I have  
| enough stupid friends as it is.  
| - Quentin Crisp

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Date: Wed, 11 May 1994 11:00:49 GMT  
From: ihnp4.ucsd.edu!usc!cs.utexas.edu!swrinde@gatech!newsfeed.pitt.edu!dsinc!  
netnews.upenn.edu!iat.holonet.net!vectorbd!jpll@network.ucsd.edu  
Subject: HF DSP modems for the TI DSK  
To: ham-digital@ucsd.edu

a couple questions....

- 1- has any body tried one with a HP100LX ?
- 2- is it just me or does the Spectrum Analyzer(in JNX's TERM) has a W31 DOS window big time ?

TIA

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- - - - -  
-Jim Lill- Vector Board BBS  
jpll@vectorbd.com 716-544-1863/2645  
wa2zkd@wb2psi.#wny.ny.usa.na GEnie: ZKD

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Date: 14 May 94 16:18:00 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: I am doing a list of TCP/IP packet radio software package  
To: ham-digital@ucsd.edu

Hi: I am doing a list of TCP/IP packet radio software package. For that, I would like you tell that TCP/IP software for packet radio do you know. Also I would like to do a catalog of different version of NET (KA9Q Phil Karn). If you can help me, please send me a note.

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Jorge Diaz V. email:plazaip@enlaces.ufro.cl  
Eduardo Millar C.  
"La Plaza Windows Developers"  
Proyecto Enlaces  
Universidad de la Frontera  
Temuco - Chile

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Date: Sat, 14 May 94 20:49:37 -0500  
From: ihnp4.ucsd.edu!swrinde!elroy.jpl.nasa.gov!lll-winken.llnl.gov!noc.near.net!  
news.delphi.com!usenet@network.ucsd.edu  
Subject: JV-Fax and Soundblaster Cards  
To: ham-digital@ucsd.edu

Has anyone had any experience in utilizing the Soundblaster 16 card with the current version of JV-Fax (6.0/6.2)? It apparently will work with other sound cards with little problem but so far we have not had any luck with the S.B. cards. Any help would be greatly appreciated.

Thanks and 73  
Dave  
N8CLF

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Date: 14 May 94 20:04:16 GMT  
From: agate!darkstar.UCSC.EDU!cats.ucsc.edu!haynes@ucbvax.berkeley.edu  
Subject: Missed the beginning of the DSK thread  
To: ham-digital@ucsd.edu

Can somebody please fill me in on what this TI DSK thing is? Somehow I missed the beginning of the discussion.

--

haynes@cats.ucsc.edu  
haynes@cats.bitnet

"Ya can talk all ya wanna, but it's dif'rent than it was!"  
"No it aint! But ya gotta know the territory!"  
    Meredith Willson: "The Music Man"

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Date: Sun, 15 May 1994 08:54:42 GMT  
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!library.ucla.edu!csulb.edu!csus.edu!  
netcom.com!dfajardo@network.ucsd.edu  
Subject: PACTOR vrs G-TOR?  
To: ham-digital@ucsd.edu

Has anyone done an on-the-air comparison of the thruput of G-TOR vrs PACTOR? If such a comparison has been published, where can I get a copy?

Thanks in advance.

Doug Fajardo  
dfajardo@netcom.com

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"All that is gold does not glitter..."(tolkien)  
    - - but then how do you know it really is gold?

--  
Doug Fajardo  
dfajardo@netcom.com

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"All that is gold does not glitter..."(tolkien)  
    - - but then how do you know it really is gold?

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Date: 14 May 1994 14:23:48 -0400  
From: mary.ilia.org!mary.ilia.org!not-for-mail@uunet.uu.net  
Subject: PK-232MBX vs. MFJ-1278B  
To: ham-digital@ucsd.edu

ST>narrowed it down to the MFJ-1278B and the AEA PK-232MBX. I'd love to I have the MFJ1278B. This is the only TNC I have had, so I can't really compare.

ST> "random code generator" (?)  
This random generator allows for practicing CW. I have never used it.

ST>Is the MFJ fax really full-color, or is it "color shading" instead of gray?  
I think it depends on the transmission mode????

ST>How common are SSTV transmissions?  
Common enough on 14.230, if you are looking foor SSTV you will usually find some there.

ST>Do most people find 18k to be adequate RAM?  
I assume this is on the mailbox? The minimal I got on the 1278B is plenty enough for me. I think it is 16K? Thats 16K worth of messages sent to your mailbox. Depends on how much mail you get and how often you want to review/delete your old mail.

ST>Are there any features that make one unit significantly better than the othe  
ST>Are there any glaring problems with either?

I have had some problems with the MFJ during Pactor, which is my favorite mode. The tnc will occasionally lockup. I seem to have more problems than others on the band during my links. So much of this may be from problems in my station setup, RFI etc.

If I would have doled out the \$59 for the MFJ program that supports the tnc I might feel better. The reason I went with the mfj was for sstv and not having the supporting program makes this almost impossible. I am trying to write some software to display the pictures myself, but it is slow going. If you get the mfj I would strongly reccommend getting the supporting program. It is an extra \$59 but will allow you to receive sstv/fax with real-time display. Reports on the rest of the mfj terminal program I have heard are not too good. But you can use most other shareware type software for packet/p[actor/rtty/etc. To date I have not seen any software that supports the mfj sstv/fax modes. I have used LanLink for the other modes, and it supports the mfj very well.

My packet reception on 2 meters is not as good as it should be. I only receive packets if I get a full scale signal. My 2m reciever has 5 bars indicating signal strength, and I do not receive good packets if only two bars are lit. I think this is more a problem with my tnc than with mfj tnc's in general, since another ham I know, who has an mfj1278 (no B) told me I should be recieving packets with that type of signal strength.

I have talked with mfj tech support about 3 times. Once was on the lockup problem and they immediatly sent me a revised eprom, no

questions asked except for my mailing address. I received the new eprom about 3-4 days later. I had to ask twice for specs on the sstv formats for writing my own p[rogram. I think the first request which I made at the same time as the eprom revision got lost. The second request was responded to promptly. I received a disk within a week. Overall I would rate the dealings I had with their tech support as excellent. It is hard to get through to them at first, (phone busy, 800 number always busy) but once I did, they took care of me.

ST>better designed TNC, with a lot of support from AEA and amateurs. He ST>claimed the filtering and reception on the PK-232 was superior to the ST>MFJ.

There are a lot of PK232 users out there I have linked with. Very few mfj users. I have linked with about 5 - 6 mfj 1278b hams. If I remeber right, they all reported the lockup problem in Pactor similiar to mine. This lockup is more frustrating than devasting. When it happens, I turn the tnc on/off, re-enter my callsign, and re-link. I don't know if the AEA has a similiar problem.

Didja look into the KAMS at all? Reports on the new GTOR mode sound really good. I dunno if MFJ or AEA are planning (or even can if they ant?) on adding this mode or not?

Tom Dengler - KE4IRV  
internet: denglet1@iia.org

\* SLMR 2.1a \*

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Date: Fri, 13 May 1994 15:24:30 GMT  
From: spsgate!mogate!newsgate!news@uunet.uu.net  
Subject: Software for KAM Plus?  
To: ham-digital@ucsd.edu

In article <Cpp39L.Aoo@eskimo.com> aandh@eskimo.com (Jim Hartwell) writes:  
> Hi David Take a look at XPKAM you should be able to find it on most ham  
> bbs It very good  
> 73 Jim K7UDG/UA4PDG

Can you point us to any FTP sites that have it? I looked and can't find it.

Thanks & 73... Mark AA7TA

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Date: 13 May 94 11:29:05 CST

From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!  
sol.ctr.columbia.edu!The-Star.honeywell.com!centurio.mavd.honeywell.com!  
skyler.mavd.honeywell.com!estey@network.ucsd.edu  
Subject: TEKK Radios query  
To: ham-digital@ucsd.edu

In article <2qufd7\$m0v@search01.news.aol.com>, nealb35819@aol.com (NealB35819) writes:

> One of the past messages stated that a certain TEKK radio would not be suitable  
> for 9600baud operation....Was very curious as to what radio model that was and  
> if it was a KS-960 ( which I own)I need this radio for a 440backbone in  
> norther Wyoming....tnx in advance.....Neal KE7VS

According to the TEKK people in Kansas City all KS-960 LOW-BAND radios shipped for the last 6 weeks have had a mod that allows 9600-baud operation. They will make the mod at no charge if the unit is within warranty. Also, a mod article on the TEKK radios has or will be published real soon by NEDA. I found a file on the WA6RDH landline BBS. The word is that the mods improve throughput by 40%.

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Carl Estey | Home Mail Address: 276 Walnut Lane  
Amateur Callsign: WA0CQG | Apple Valley, MN 55124  
| Business Address: Honeywell Inc.  
Phone: Work (612) 954-7630 | Flight Systems & Test Operations M/S MN15-2370  
FAX (612) 954-7495 | 1625 Zarthan Ave. S., St. Louis Park, MN 55416  
Home (612) 432-0699 | Packet: WA0CQG @ WA0CQG.#MSP.MN.USA.NA  
The nonsense here is of my own making - no one else would want credit!

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Date: 13 May 1994 22:08:19 -0700  
From: nntp.crl.com!crl.crl.com!not-for-mail@decwrl.dec.com  
Subject: WA6RDH LLBBS Number  
To: ham-digital@ucsd.edu

In a recent posting Carl said:

> Also, a mod article on the TEKK radios has or will be published real soon by  
> NEDA. I found a file on the WA6RDH landline BBS. The word is that the  
> mods improve throughput by 40%.

Only trouble is I don't know the number for the the WA6RDH LLBBS...  
Could someone post the number or email it to me... I'd appreciate it...

Thanks...  
Dennis N6NG

n6ng@crl.com

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Dennis n6ng@crl.com  
dennis@ccwest.n6ng  
n6ng@wd6cmu

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End of Ham-Digital Digest V94 #148

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